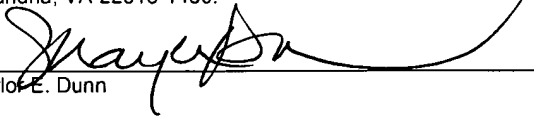


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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Shayla E. Dunn



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dhawan et al.

Group-Art Unit: 1771

Serial No.: 10/609,074

Examiner: Andrew T. Piziali

Filed: June 27, 2003

Docket No.: 297/157/3

Confirmation No.: 7438

For: FABRIC AND YARN STRUCTURES FOR IMPROVING SIGNAL INTEGRITY IN
FABRIC-BASED ELECTRICAL CIRCUITS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO/SB/08A and PTO/SB/08B. Pursuant to 37 C.F.R. § 1.98(a)(2)(i), copies of the U.S. patent references cited on the attached Form PTO/SB/08A are not attached. However, copies can be provided if necessary. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

12/02/2005 CCHAU1 00000003 500426 10609074

02 FC:1806 180.00 DA

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a Final Action or the Notice of Allowance. Accordingly:

☐ No \$180 fee under 37 C.F.R. Section 1.17(p) is due as the undersigned hereby certifies:

☐ that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, or

☐ that to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 C.F.R. Section 1.56(c) more than three months prior to the filing of this statement.

☒ The undersigned is unable to so certify, because submission of the present Information Disclosure Statement is after receipt by applicant of an Official Action on the merits, and thus the Commissioner is hereby authorized to charge the fee of \$180.00 to Deposit Account No. 50-0426 under 37 C.F.R. Section 1.17(p).

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached forms PTO/SB/08A and PTO/SB/08B

Serial No.: 10/041,248

with initials or other appropriate marks. Early passage of the subject application to issue is earnestly solicited.

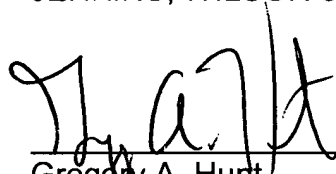
The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Date: November 30, 2005

By:



Gregory A. Hunt
Registration No. 41,085

Customer No.: 25297

297/157/3 GAH/sed

Enclosures

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Sheet	1	of	4
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Application Number	10/609,074
Filing Date	06/27/2003
First Named Inventor	Anuj Dhawan
Art Unit	1771
Examiner Name	Andrew T. Piziali
Attorney Docket Number	297/157/3

Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A	US-6,158,884	12/12/2000	Lebby et al.	
	B	US-6,145,551	11/14/2000	Jayaraman et al.	
	C	US-6,123,883	09/26/2000	Mattes et al.	
	D	US-6,120,939	09/19/2000	Whear et al.	
	E	US-6,080,690	06/27/2000	Lebby et al.	
	F	US-6,051,335	04/18/2000	Dinh-Sybeldon et al.	
	G	US-6,044,287	03/28/2000	Cornell	
	H	US-5,952,099	09/14/1999	Asher et al.	
	I	US-5,906,004	05/25/1999	Lebby et al.	
	J	US-5,878,620	03/09/1999	Gilbert et al.	
	K	US-5,874,672	02/23/1999	Gerardi et al.	
	L	US-5,802,607	09/08/1998	Triplette	
	M	US-5,788,897	08/04/1998	Hsu	
	N	US-5,776,608	07/07/1998	Asher et al.	
	O	US-5,720,892	02/24/1998	DeAngelis et al.	
	P	US-5,698,148	12/16/1997	Asher et al.	
	Q	US-5,689,791	11/18/1997	Swift	
	R	US-5,636,378	06/10/1997	Griffith	
	S	US-5,624,736	04/29/1997	DeAngelis et al.	
	T	US-5,420,465	05/30/1995	Wallace et al.	

[illegible]

Examiner
Signature

Date Considered

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1 Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

English language translation is attached.

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Substitute for form 1449A/PTO

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Sheet 2 of 4

Application Number	10/041,248
Filing Date	01/08/2002
First Named Inventor	Anuj Dhawan
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	297/146

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	U	US-5,398,547	03/21/1995	Gerardi et al.	
	V	US-5,316,830	05/31/1994	Adams, Jr. et al	
	W	US-5,292,573	03/08/1994	Adams, Jr. et al.	
	X	US-5,281,171	01/25/1994	Job	
	Y	US-5,248,468	09/28/1993	Mitamura et al.	
	Z	US-5,246,797	09/21/1993	Imhof et al.	
	AA	US-Re. 34,233	04/27/1993	Bachot et al.	
	BB	US-5,177,187	01/05/1993	MacDiarmid et al.	
	CC	US-5,173,366	12/22/1992	Mitamura et al.	
	DD	US-5,162,135	11/10/1992	Gregory et al.	
	EE	US-5,102,727	04/07/1992	Pittman et al.	
	FF	US-4,975,317	12/04/1990	Kuhn et al.	
	GG	US-4,929,803	05/29/1990	Yoshida et al.	
	HH	US-4,918,814	04/24/1990	Redmond et al.	
	II	US-4,889,963	12/26/1989	Onai	
	JJ	US-4,820,170	04/11/1989	Redmond et al.	
	KK	US-4,803,096	02/07/1989	Kuhn et al.	
	LL	US-4,743,349	05/10/1988	Bachot et al.	
	MM	US-4,735,847	05/05/1988	Fujiwara et al.	
	NN	US-4,676,561	06/30/1987	Barrett, II	

[illegible]

Examiner
Signature

Date
Considered

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1. Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known

Application Number	10/041,248
Filing Date	01/08/2002
First Named Inventor	Anuj Dhawan
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	297/146

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	OO	US-4.664.971	05/12/1987	Soens	
	PP	US-4.664.158	05/12/1987	Sands	
	OO	US-4.661.376	04/28/1987	Liang	
	RR	US-4.654.748	03/31/1987	Rees	
	SS	US- 4.639.825	01/27/1987	Breidegam	
	TT	US- 4.463.323	07/31/1984	Piper	
	UU	US-4.439.303	03/27/1984	Cocchi	
	VV	US-4.432.838	02/21/1984	Kadija	
	WW	US-4.429.179	01/31/1984	Chynoweth	
	XX	US-4.417.959	11/29/1983	Kadija et al.	
	YY	US-4.350.580	09/21/1982	Kadija	
	ZZ	US-4.308.533	12/29/1981	Schmidt	
	AAA	US-4.267.233	05/12/1981	Tanaka et al.	
	BBB	US-4.255.973	03/17/1981	Karplus	
	CCC	US-4.247.596	01/27/1981	Yee	
	DDD	US-4.199.637	04/22/1980	Sado	
	EEE	US-4.129.677	12/12/1978	Boe	
	FFF	US-4.091.176	05/23/1978	Alfenaar	
	GGG	US-3.933.520	01/20/1976	Gay et al.	
	HHH	US-3.745.287	07/10/1973	Walker	

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Examiner
Signature

Date
Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

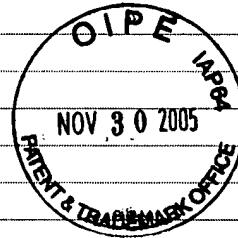
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Complete if Known

Application Number	10/609,074
Filing Date	06/27/2003
First Named Inventor	Anuj Dhawan
Art Unit	1771
Examiner Name	Andrew T. Piziali
Attorney Docket Number	297/157/3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	III	US- 6,852,395	02/08/2005	Dhawan et al.	
	JJJ	US- 6,381,482	04/30/2002	Jayaraman et al.	
	KKK	US- 6,210,771	04/03/2001	Post, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	10/609.074 06/27/2003 Anuj Dhawan 1771 Andrew T. Piz... 297/157/3
Sheet	1	of	1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	UNITEK EQUIPMENT, "Thin-Line(TM) Weld Heads - High Performance, Durability & Long Life 80 Series, 180 Series, 90 Series," p. 1-8, (July, 2001).	X
	B	POST ET AL., "E-broidery: Design and Fabrication of Textile-Based Computing," IBM Systems Journal, p. 840-860, (2000).	X
	C	GORLICK, "Electric Suspenders: A Fabric Power Bus and Data Network for Wearable Digital Devices," The 3rd International Symposium on Wearable Computers, p. 114-121, (1998).	X
	D	POST ET AL., "Smart Fabric, or 'Wearable Clothing'," Proceedings of First International Symposium on Wearable Computers, p. 167-168, (1997).	X
	E	INABA ET AL., "A Full-Body Tactile Sensor Suit Using Electrically Conductive Fabric and Strings," Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems, p. 450-457, (1996).	X
	F	UNITEK EQUIPMENT, "Unibound II - Advanced Microjoining System," p. 1-4, (July, 1995).	X
	G	TEWKSBURY, "Interconnections Within Microelectronic Systems," Institute of Electrical and Electronics Engineers, p. 3-49, (1994).	X
	H	AZOULAY, "Anisotropy in Electric Properties of Fabrics Containing New Conductive Fibers," IEEE Transactions on Electrical Insulation, Vol. 23 (No. 3), p. 383-386, (1988).	X
	I	BREWS, "Transmission Line Models for Lossy Waveguide Interconnections in VLSI," IEEE Transactions on Electron Devices, p. 1356-1365, (1986).	X

Examiner Signature		Date Considered	
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